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(54) OIL-IN-WATER TYPE EMULSION FOR COSMETIC AND MEDICINE

(57)Abstract:

PROBLEM TO BE SOLVED: To obtain a homogeneous and stable oil-in-water type emulsion having smooth feeling after applied and moreover sustaining the feeling.

SOLUTION: A polyether modified polysiloxane represented by the general formula (I): $R(CH_3)_2SiO-[(CH_3)_2SiO]_n-Si(CH_3)_2R(I)$ [wherein, (n) is 50-250; Rs are each $-(CH_2)_m-O-(C_2H_4O)_x-(C_3H_6O)_yR_1$; (m) is 2-4; (x) is 3-100; (y) is 0-50; R₁ is H, CH₃ or CH₂CH₃; and the weight ratio of the polyether group R to the total molecular mass is ≤ 45 wt.% when calculated according to the prescribed formula] is used to prepare the oil-in-water type emulsion for a cosmetic or a medicine and the oil-in-water emulsion is obtained by including the polysiloxane.

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